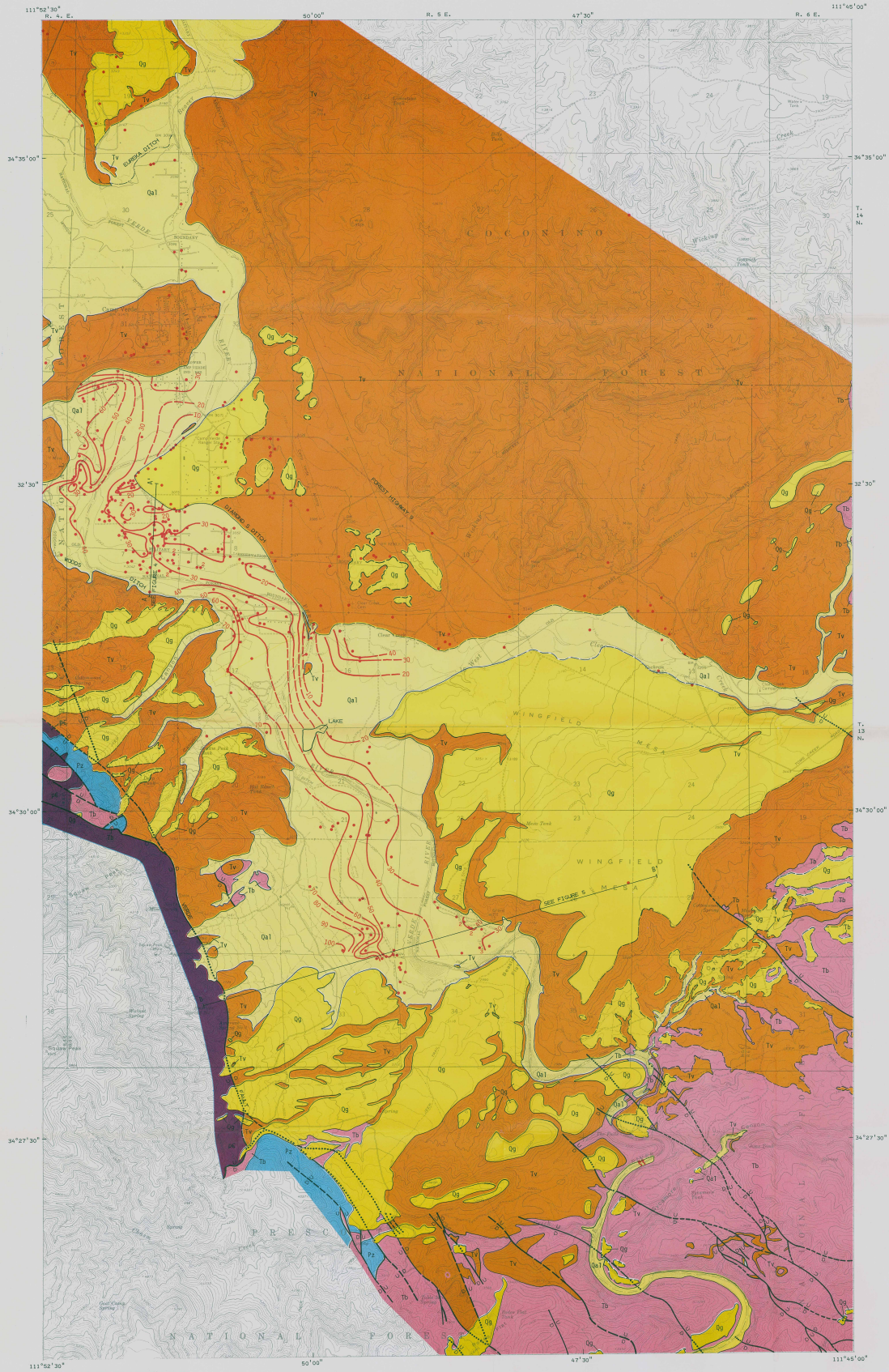



BASE FROM U.S. GEOLOGICAL SURVEY 1:24,000
CAMP VERDE, 1969, AND HORNER MOUNTAIN, 1967

1 0 1 MILE
1/2
1 0 1 KILOMETER
.5

CONTOUR INTERVALS 20 AND 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

## EXPLANATION

### CORRELATION OF MAP UNITS

| | | |
|---|---|---|
| Qal | | QUATERNARY |
| Qg | | QUATERNARY |
| Tv | Tb | TERTIARY |
| Pz | | PERMIAN, PENNSYLVANIAN, MISSISSIPPIAN, DEVONIAN, AND CAMBRIAN |
| pC | | PRECAMBRIAN |

### DESCRIPTION OF MAP UNITS

**Qal** — ALLUVIUM—Unconsolidated gravel, sand, silt, and clay; mostly channel, flood-plain, and terrace deposits in and near streams. Includes slopewash off the Black Hills

**Qg** — GRAVEL—Unconsolidated and semiconsolidated pebbles, cobbles, boulders, some sand, silt, and clay; forms talus deposits, alluvial-fan deposits, and the alluvial veneer on pediment surfaces

Unconformity

**Tv** — VERDE FORMATION—Consolidated and semiconsolidated lacustrine and fluviatile deposits. Diverse lithology of interfingering beds of limestone, mudstone, claystone, sandstone, conglomerate, and tuffaceous rocks

**Tb** — VOLCANIC ROCKS—Mainly basalt and dacite porphyry. Includes basaltic lava flows, basalt and dacite dikes, ashflow tuff, and related pyroclastic deposits

Unconformity

**Pz** — PALEOZOIC ROCKS—Includes the Supai Formation, Redwall Limestone, Martin Formation, and Tapeats Sandstone, undivided, which underlie the Verde Formation in the subsurface on the east side of the valley. Redwall Limestone, Martin Formation, and Tapeats Sandstone crop out west of the Verde fault

Unconformity

**pC** — GRANITIC ROCKS—Diorite and quartz porphyry igneous rocks

GEOLOGIC CONTACT—Dashed where approximately located

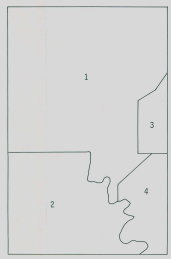
FAULT—Long dashed where approximately located; short dashed where inferred; dotted where concealed. U, upthrown side; D, downthrown side

20 — LINE OF EQUAL THICKNESS OF ALLUVIUM—Dashed where approximately located. Contour interval 10 feet

A A' — LINE OF PROFILE

3 — WELL—Figure, 3, indicates number of wells at this location

SPRING




Geologic map modified by S. J. Owen-Joyce, 1982, from:

1. Twenter, F. R., and Metzger, D. G., 1963, Geology and ground water in Verde Valley—the Mogollon Rim region, Arizona: U.S. Geological Survey Bulletin 1177, 132 p.

2. Wolfe, E. W., and others, 1980, U.S. Geological Survey, written commun.

3. Ulrich, G. E., and Bielski, A. M., 1983, Mineral resource potential map of the West Clear Creek Roadless Area, Yavapai and Coconino Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1555-A, scale 1:24,000.

4. Lewis, R. E., 1963, Geology of the Hackberry Mountain Volcanic Center, Yavapai County, Arizona: California Institute of Technology, unpublished doctoral thesis, 295 p.

# GENERALIZED GEOLOGY AND ISOPACH OF THE ALLUVIUM, CAMP VERDE AREA, ARIZONA